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## Events called by the Rdynamic event scheduler (ev$doEvent)

## My version of initparms, modified to explain what parameter names are
## bad and allow arrays to be different lengths than the default (helpful
## for Dietinput which has two columns but an arbitrary number of rows):

initparms <- function (newParms = NULL, ParmVector = NULL, ComputeParms)
{
  if (!is.null(newParms)) {
    if (!all(names(newParms) %in% c(names(ParmVector)))) {
      stop(paste("\nillegal parameter name(s):", names(newParms)[!(names(newParms) %in%
names(ParmVector))])))
    }
  }
  for (nm in names(newParms)) {
    DA <- dim(ParmVector[[nm]])
    DB <- dim(newParms[[nm]])
    NDA <- is.null(DA)
    NDB <- is.null(DB)
    if ((NDA || NDB) && !(NDA && NDB)) {
      if (NDB)
        stop(paste(nm, "should be an array, but is not"))
      else stop(paste(nm, "is an array, but should not be"))
    }
    if (length(DA) != length(DB))
      stop(paste("Dimension mismatch in array", nm, "\nDimension should be\n",
                paste("c(", paste(DA, collapse = ", "), ")"), "\nInstead have\n",
                paste("c(", paste(DB, collapse = ", "), ")")))
  }
  ParmS <- ParmVector
  if (!is.null(newParms))
    ParmS[names(newParms)] <- newParms
  ComputeParms(ParmS)
}

```